

**IN THE CLAIMS:**

Please amend Claims 1, 12 and 49 as follows:

- 1           1.       (Currently Amended) A cross-linking compound which comprises:
  - 2                   (a)     an anhydrous hydrocarbon compound liquid at ambient temperature;
  - 3                   (b)     having at least one di- or poly- Group VI-A element of the periodic table of
  - 4 elements; and
  - 5                   (c)     a natural or synthetic polymer liquid at ambient temperature having a
  - 6 molecular weight less than 30,000 ~~70,000~~.
- 1           2.       (Original) A cross-linking compound as set forth in Claim 1 wherein said Group VI-
- 2 A element is sulfur.
- 1           3.       (Original) A cross-linking compound as set forth in Claim 1 wherein said polymer
- 2 is a multi-component polymer.
- 1           4.       (Original) A cross-linking compound as set forth in Claim 1 wherein said polymer
- 2 is saturated.
- 1           5.       (Original) A cross-linking compound as set forth in Claim 1 wherein said polymer
- 2 contains functional groups.
- 1           6.       (Previously Withdrawn)

1           7.       (Original) A cross-linking compound as set forth in Claim 1 wherein said polymer  
2 contains two or more chemical moieties.

1           8.       (Original) A cross-linking compound as set forth in Claim 7 wherein said polymer  
2 is a copolymer of butylene and butene.

1       Claims 9 and 10 (Previously Withdrawn)

1           11.      (Previously Canceled)

1           12.      (Currently Amended) A cross-linking compound which comprises:  
2               (a)     an anhydrous hydrocarbon compound liquid at ambient temperature;  
3               (b)     molecules or chemical moieties having two or more Group VI-A elements of  
4 the periodic table of elements; and  
5               (c)     a natural or synthetic polymer liquid at ambient temperature having a  
6 molecular weight less than 30,000 ~~70,000~~.

1           13.      (Original) A cross-linking compound as set forth in Claim 12 wherein said polymer  
2 is a multi-component polymer.

1           14.      (Original) A cross-linking compound as set forth in Claim 12 wherein said polymer  
2 is saturated.

1           15.    (Original) A cross-linking compound as set forth in Claim 12 wherein said polymer  
2           contains functional groups.

1           16.    (Previously Withdrawn)

1           17.    (Original) A cross-linking compound as set forth in Claim 12 wherein said polymer  
2           contains two or more chemical moieties.

1           18.    (Original) A cross-linking compound as set forth in Claim 17 wherein said polymer  
2           is a copolymer of butylene and butene.

1           19.    (Original) A cross-linking compound as set forth in Claim 12 wherein said Group  
2           VI-A elements of the periodic table of elements are in terminal positions on the molecules or  
3           chemical moieties.

1           20.    (Original) A cross-linking compound as set forth in Claim 19 wherein at least one  
2           of said Group VI-A elements of the periodic table of elements is sulfur.

1           21.    (Original) A cross-linking compound as set forth in Claim 20 wherein the molecules  
2           or chemical moieties are mercaptans.

1           22.     (Original) A cross-linking compound as set forth in Claim 12 wherein said Group  
2     VI-A elements of the periodic table of elements are not in the terminal position of the molecules or  
3     chemical moieties.

1           23.     (Original) A cross-linking compound as set forth in Claim 22 wherein said Group  
2     VI-A elements of the periodic table of elements are poly-element moieties within the molecules or  
3     chemical moieties.

1           24.     (Original) A cross-linking compound as set forth in Claim 23 wherein at least one  
2     of said Group VI-A elements is sulfur.

1           25.     (Original) A cross-linking compound as set forth in Claim 23 wherein the molecules  
2     or chemical moieties are Di-tert-butyl polysulfide, Di-tert-dodecyl polysulfide, Di-tert-nonyl  
3     polysulfide or combinations thereof.

1           26.     (Original) A cross-linking compound as set forth in Claim 23 wherein the poly-  
2     element moiety is poly-sulfide.

Claims 27 through 35 (Previously Withdrawn)

Claims 36 through 38 (Previously Canceled)

Claims 39 - 46 (Previously Withdrawn)

Claims 47 and 48 (Previously Canceled)

1           49.    (Currently Amended) A cross-linking compound which comprises:  
2                   (a)    an anhydrous hydrocarbon compound liquid at ambient temperature having  
3    elemental sulfur, oxygen or selenium therein, wherein said hydrocarbon compound is Di-tert-butyl  
4    polysulfide, Di-tert-dodecyl polysulfide, Di-tert-nonyl polysulfide or combinations thereof; and  
5                   (b)    an ethylenic polymer liquid at ambient temperature having a molecular weight  
6    less than 30,000 ~~70,000~~, wherein said polymer is a copolymer of butylene and butene.

1           50.    (Original) A cross-linking compound as set forth in Claim 1 wherein said anhydrous  
2    hydrocarbon compound is an organic process oil from crude or coal processing.

1           51.    (Original) A cross-linking compound as set forth in Claim 12 wherein said anhydrous  
2    hydrocarbon compound is an organic process oil from crude or coal processing.--